In re Patent Application of
PURVIS
Serial No. **09/703,277**
Filed: **OCTOBER 31, 2000**
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In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

1. (Original) An improved temporary guardrail system for removable attachment to a building under construction including a plurality of upright stanchions, each respective stanchion having an anchor bracket on a bottom end thereof, said stanchions being connected by a plurality of vertically spaced upper and lower side rails and by a toe board, the improvements comprising:

means for rotatably connecting said rails to said stanchions enabling each respective side rail to be rotated 360° about a longitudinal axis of each respective stanchion in a horizontal plane and each respective side rail to be pivoted at varying angles in a vertical plane, said connecting means including a first threaded stud outwardly projecting from a top end of said stanchions in substantially axial alignment therewith enabling each of said upper side rails to be rotatably mounted thereon at various angles, said upper side rails being pivoted in a vertical plane at varying angles by use of angulation means, said angulation means comprising a generally L-shaped swivel bracket disposed on said first threaded stud at said top end of said stanchion, said L-shaped bracket including a long leg portion and a short leg portion being fixedly attached in perpendicular relation thereto, said bracket further including swiveling means being adapted for pivoting movement in a plane parallel to the plane defining

said long leg portion, said swiveling means including a second threaded stud disposed in perpendicular relation to said axis of said stanchion enabling said upper side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as stairs;

means for telescopically adjusting the length of each respective side rail and said toe board enabling said temporary guardrail system to be adapted to dimensional features of different buildings under construction; and

means for selectively extending the vertical height of said guardrail system to provide an increased measure of safety for employees performing specialized tasks requiring ladders and stilts adjacent thereto.

2. (Original) The temporary guardrail system of claim 1 wherein said swiveling means includes a pair of said studs arranged in parallel, spaced-apart relation thereon, said studs being disposed in perpendicular relation to said axis of said stanchion enabling a pair of adjacent upper side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as stairs.

3. (Original) The temporary guardrail system of claim 1 wherein said connecting means for said lower side rails comprises at least one rail support collar cooperating with an angulation means attached to each of said side rails,

said at least one rail support collar being disposed about said stanchion and having at least one threaded stud outwardly extending therefrom and being perpendicular to a center axis of said collar enabling said angulation means of said side rails to be fixedly mounted on said at least one threaded stud.

4. (Original) The temporary guardrail system of claim 3 wherein said angulation means of said side rails comprises a mid-rail, swivel bracket disposed on said on at least one threaded stud extending from said rail support collar, said mid-rail, swivel bracket including an elongated body member and further including swiveling means being adapted for pivoting movement in a plane parallel to the plane defining said elongated body member, said swiveling means of said mid-rail, swivel bracket including a threaded stud mounted in perpendicular relation to said axis of said stanchion enabling said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as flights of stairs.

5. (Original) The temporary guardrail system of claim 4 wherein said swiveling means of said mid-rail, swivel bracket includes a pair of threaded studs arranged in generally parallel, spaced-apart relation enabling a pair of said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said

temporary guardrail system on inclines such as flights of stairs.

6. (Original) The temporary guard rail system of claim 3 herein a plurality of rail support collars are disposed about said stanchions at a pre-determined vertical location in an operative relationship between at least two rail stops.

7. (Original) The temporary guard rail system of claim 1 wherein said extending means includes a plurality of extension posts being adapted for sliding engagement about the outside diameter of said stanchions at the upper ends thereof, said extension posts including connecting means so as to permit attachment of a plurality of vertically spaced side rails thereon enabling the vertical height of said temporary guard rail system to be selectively extended to provide increased safety to employees performing specialized tasks adjacent thereto.

8. (Original) The temporary guard rail system of claim 1 wherein each respective stanchion is fixedly attached to a ground anchoring means for installation directly onto a ground surface adjacent an excavation site.

9. (Original) The temporary guard rail system of claim 8 wherein said ground anchoring means is fabricated from a heavy gauge, corrugated sheet metal material that is adapted

to receive a plurality of anchor pins therethrough for securing said ground anchoring means directly to the surface of the ground.

10. (Original) The temporary guard rail system of claim 1 wherein each respective stanchion is adapted for installation on a roof anchoring means fabricated from corrugated sheet metal.

11. (Original) The temporary guard rail system of claim 10 wherein said roof anchoring means is matched to the configuration of said corrugated sheet metal used in the construction of a roof.

12. (Previously presented) A temporary guardrail system for removable attachment to a building under construction, the system comprising:

a plurality of upright stanchions;

an anchor bracket connected to a bottom end of each respective one of the plurality of stanchions;

a plurality of vertically spaced-apart side rails connected to each of the plurality of stanchions;

means for rotatably connecting said side rails to said stanchions enabling each respective side rail to be rotated about a longitudinal axis of each respective stanchion in a horizontal plane and each respective side rail to be pivoted at varying angles in a vertical plane, said connecting means comprising a first connector portion to rotatably mount

each of said side rails on said stanchions at various angles; and

means for telescopically adjusting the length of each respective side rail enabling said temporary guardrail system to be adapted to dimensional features of different buildings under construction;

said connecting means for said side rails further comprising at least one rail support collar attached to each of said side rails, said at least one rail support collar being disposed about said stanchion and having at least one collar connecter portion to connect said side rails thereto.

13. (Previously presented) The temporary guardrail system of Claim 12, further comprising swiveling means for enabling a pair of adjacent side rails to be mounted on said stanchions and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines.

14. (canceled).

15. (Previously presented) The temporary guardrail system of Claim 12, further comprising angulation means positioned to cooperate with said side rails, wherein said angulation means comprises a mid-rail swivel bracket disposed on said at least one collar connecter portion, said mid-rail swivel bracket including an elongated body member and further including swiveling means being adapted for pivoting movement

in a plane parallel to the plane defining said elongated body member, said swiveling means of said mid-rail swivel bracket including a threaded stud mounted in perpendicular relation to said axis of said stanchion enabling said side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines.

16. (Previously presented) The temporary guardrail system of Claim 15, wherein said swiveling means of said mid-rail~~,~~ swivel bracket includes a pair of bracket connector portions to connect a pair of said side rails thereto to be pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines including flights of stairs.

17. (Previously presented) The temporary guard rail system of Claim 12, wherein a plurality of rail support collars are disposed about said stanchions at a pre-determined vertical location in an operative relationship between at least two rail stops.

18. (Previously presented) The temporary guardrail system of Claim 12, further comprising extending means for selectively extending the vertical height of said guardrail system for users performing specialized tasks using ladders and stilts adjacent thereto, wherein said extending means includes a plurality of extension posts being adapted for

sliding engagement about the outside diameter of said stanchions at upper ends thereof, said extension posts including connecting means for attaching a plurality of vertically spaced side rails thereon enabling the vertical height of said temporary guard rail system to be selectively extended.

19. (Previously presented) The temporary guard rail system of Claim 12, wherein each respective stanchion is fixedly attached to a ground anchoring means for installation directly onto a ground surface.

20. (Previously presented) The temporary guard rail system of Claim 19, wherein said ground anchoring means comprises a heavy gauge corrugated sheet metal material that is adapted to receive a plurality of anchor pins therethrough for securing said ground anchoring means directly to the surface of the ground.

21. (Previously presented) The temporary guard rail system of Claim 12, wherein said anchor bracket comprises a roof anchoring bracket comprising corrugated sheet metal.

22. (Previously presented) The temporary guard rail system of Claim 21, wherein said roof anchoring bracket is matched to a configuration of corrugated sheet metal of a roof.

Claims 23-25 (canceled).

26. (Previously presented) A temporary guardrail system for removable attachment to a building under construction, the system comprising:

a plurality of upright stanchions;

an anchor bracket connected to a bottom end of each stanchion;

a plurality of telescoping side rails connected to each stanchion; and

a plurality of rail connectors to rotatably connect said side rails to said stanchions so that each respective side rail is rotatable about a longitudinal axis of each respective stanchion in a horizontal plane and each respective side rail is pivotable at varying angles in a vertical plane, each rail connector comprising

at least one rail support collar disposed about said stanchion,

a first connector portion on the at least one rail support collar, and

a second connector portion on a respective side rail to cooperate with the first connector to rotatably mount the respective side rail to the respective stanchion.

27. (canceled).

28. (Previously presented) The temporary guardrail system of Claim 26, further comprising a mid-rail swivel bracket on said at least one rail support collar to connect said side rails thereto to be pivoted in a vertical plane for installation of said temporary guardrail system on an incline.